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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/698,686	10/31/2003	Patricia Brown	100203623-3	2884
7.	590 11/04/2004		EXAM	INER
IP ADMINIS	TRATION		LEVIN, N	NAUM B
LEGAL DEPA	RTMENT M/S 35			
HWELETT-PA	ACKARD COMPANY		ART UNIT	PAPER NUMBER
P.O. BOX 2724	400		2825	
FORT COLLIN	NS, CO 80527-2400		D. C. 14411 ED 11/04/000	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/698,686	BROWN ET AL.	
Office Action Summary	Examiner	Art Unit	
	Naum B Levin	2825	
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet w	ith the correspondence addres	SS
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a r - If NO period for reply is specified above, the maximum statutory perion - Failure to reply within the set or extended period for reply will, by state than three months after the maximum days are particularly serviced by the Office later than three months after the maximum days are patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a eply within the statutory minimum of this will apply and will expire SIX (6) MO tute, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this commu BANDONED (35 U.S.C. § 133).	inication.
Status			•
1) Responsive to communication(s) filed on 19	July 2004	,	
	his action is non-final.		
3) Since this application is in condition for allow		ters, prosecution as to the me	erits is
closed in accordance with the practice unde	•	· •	
Disposition of Claims			
4)⊠ Claim(s) <u>1-15,29 and 31-55</u> is/are pending ir	n the application		
4a) Of the above claim(s) is/are withd			
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-15,29 and 31-55</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and	l/or election requirement		
Application Papers		•	
_			
9) The specification is objected to by the Exami			
10)⊠ The drawing(s) filed on <u>28 June 2004</u> is/are:	•	•	
Applicant may not request that any objection to the	• ,		
Replacement drawing sheet(s) including the corre			
11) The oath or declaration is objected to by the	Examiner. Note the attache	d Office Action or form PTO-1	52.
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume	ents have been received. ents have been received in A riority documents have beer	Application No	je
* See the attached detailed Office action for a li	• • •	received.	
Attachment(s)		·	
Notice of References Cited (PTO-892)		Summary (PTO-413)	
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date 		s)/Mail Date nformal Patent Application (PTO-152)

DETAILED ACTION

This office action is in response to application 10/698,686 and amendment filed on 07/19/2004. Claims 1-15, 29 and 31-55 remain pending in the application.

Applicants have amended claims 31, 33, 36 and 43 by inserting additional limitations in independent claims, and created new dependent claims 50-53 and new independent claims 54-55. Based on the Amendment Examiner has performed additional search, and found a new reference.

Claim Objections

1. Claim 2 is objected to:

the recitation of "determining a second memory of a second device" is not clear to what applicants intend to mean.

Terminal Disclaimer

The terminal disclaimer filed on 07/19/2004 disclaiming the terminal portion of any patent granted on this application, which would extend beyond the expiration date of patent No. 6.694,490 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States

only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

- 2. Claims 1-15, 29 and 31-55 are rejected under 35 U.S.C. 102(e) as being unpatentable by Alvarez et al. (US Pub. No.: 2002/0184579).
- 3. As to claims 1, 29, 31, 33, 36, 42, 43, 54 and 55 Alvarez discloses system and method for recognizing and configuring devices embedded on memory modules including:
- (1), (29), (54) A method/device/assembly for producing a device having a reduced memory capacity comprising:

providing a device (memory modules) having a memory capacity ([0003]; [0005]); determining that the memory capacity of the device can be reduced (compressed) ([0015]- [0018]);

determining an amount by which the memory capacity of the device is to be reduced (compressed) ([0170]); and

reducing the memory capacity of the device in accordance with the determined amount to produce a device having a reduced memory (active memory) capacity and a dormant memory (inactive memory) capacity ([0170]).

(31), (43) An assembly comprising an apparatus/apparatus; and a device disposed in said apparatus and having a reduced memory capacity and a dormant memory capacity, wherein a memory capacity of the device is reduced in accordance with a determined amount in order to achieve the reduced memory (active memory) capacity ([0003]; [0005]; [0015]- [0018]; [0170]);

(33) A computer assembly comprising a computer; and a dual inline memory module (DIMM) disposed in said computer and having a reduced memory capacity and a dormant memory capacity wherein a memory capacity of the DIMM is reduced in accordance with a determined amount in order to achieve the reduced memory (active memory) capacity ([0003]; [0005]; [0015]- [0018]; [0170]);

(36), (42) A method/device for producing a device having a reduced memory capacity, the method comprising:

providing a device having a memory capacity ([0003]; [0005]);

determining an amount of reduction for the memory capacity of the device ([0170]); and

reducing the memory capacity of the device by an amount of reduction in order to produce a device having a reduced memory capacity and a dormant memory capacity ([0170]);

(55) An assembly comprising an apparatus; and a device disposed in said apparatus and having a reduced memory capacity (active memory) and dormant memory (inactive memory) capacity comprising, wherein said device having been produced in accordance with the following steps ([0170]):

providing a device (memory modules) having a memory capacity ([0003]; [0005]); determining that the memory capacity of the device can be reduced (compressed) ([0015]- [0018]);

determining an amount by which the memory capacity of the device is to be reduced (compressed) ([0170]); and

reducing the memory capacity of the device in accordance with the determined amount to produce a device having a reduced memory (active memory) capacity and a dormant memory (inactive memory) capacity ([0170]).

- 4. As to claims 2-15, 32, 34-35, 37-41 and 44-53 Alvarez recites:
- (2), (6)-(11), (40), (48), (50), (51) The method/apparatus additionally comprising determining a second memory capacity of a second device in an apparatus requiring the second device having the second memory capacity ([0003]; [0005]; [0170]);
- (3) The method of Claim 2 wherein said apparatus comprises a computer ([0009]);
- (4), (5) The method of Claim 2 wherein said second memory capacity of said second device is less than the memory capacity of the device ([0015]- [0018]);
- (12)-(15) The method of Claim 1 wherein said device comprises a module ([0005]);
- (32) The assembly of Claim 31 wherein said device having been produced in accordance with the following steps: providing the device having a memory capacity;

determining that the memory capacity of the device can be reduced; determining an amount by which the memory capacity of the device is to be reduced; and reducing the memory capacity of the device in accordance with the determined amount to produce the device having the reduced memory capacity and the dormant memory capacity ([0003]; [0005]; [0015]- [0018]; [0170]);

(34) The computer assembly of Claim 33 wherein said DIMM having been produced in accordance with the following steps: providing the DIMM having a memory

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capacity; determining that the memory capacity of the DIMM can be reduced; determining an amount by which the memory capacity of the DIMM is to be reduced; and reducing the memory capacity of the DIMM in accordance with the determined amount to produce the DIMM having the reduced memory capacity and the dormant memory capacity ([0003]; [0005]; [0015]- [0018]; [0170]);

- (35), (41), (49) The method/apparatus additionally comprising testing the produced device for a reduced memory-capacity accuracy and for a dormant memory-capacity accuracy ([0111]-[0115]);
- (37), (44) The method/apparatus, wherein the device comprises a DIMM ([0003]; [0005]);
- (38), (39), (46), (47) The method of claim 36, wherein reducing the memory capacity of the device comprises: making air least one row/column of a memory bank in the device as dormant ([0131]; [0170]);
- (45) The apparatus of claim 43, wherein the device is produced in accordance with a method comprising: providing the device having a memory capacity; and reducing the memory capacity of the device by an amount of reduction in order to produce a device having a reduced memory capacity and a dormant memory capacity ([0015]- [0018]; [0170]);
- (52), (53) The method/apparatus further comprising: prior to determining the amount of reduction, determining if the memory of the device can be reduced ([0015]-[0018]; [0170]).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naum B Levin whose telephone number is 571-272-1898. The examiner can normally be reached on M-F (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew S Smith can be reached on 571-272-1907. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NL

VUTHE SIEK PRIMARY EXAMINER